

10003725-004000

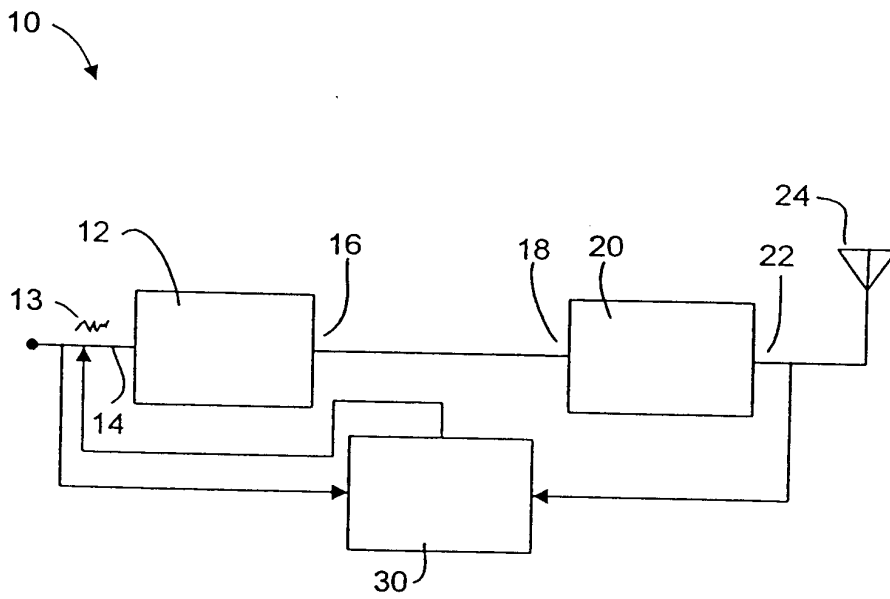


FIGURE 1

4003725-021303

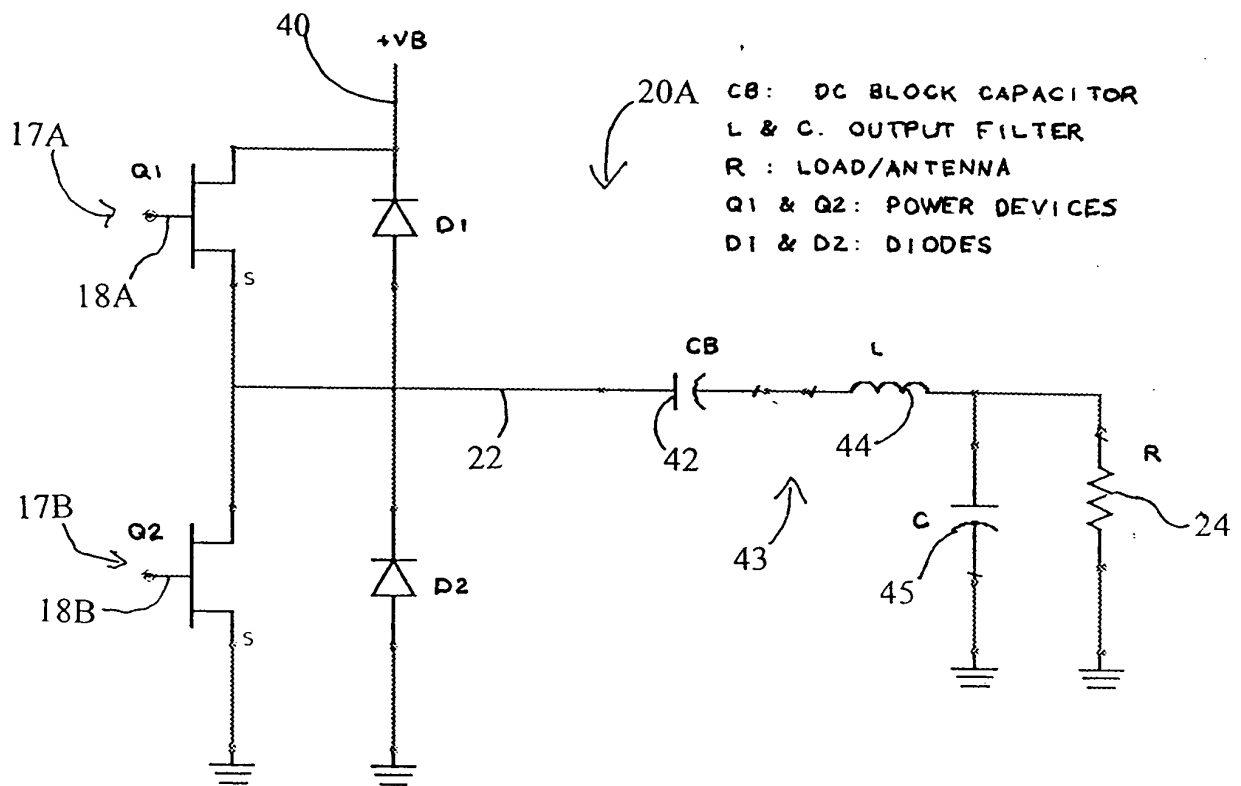


FIG. 2. CLASS S AMPLIFIER WITH 2 DEVICES.

1003725-021202

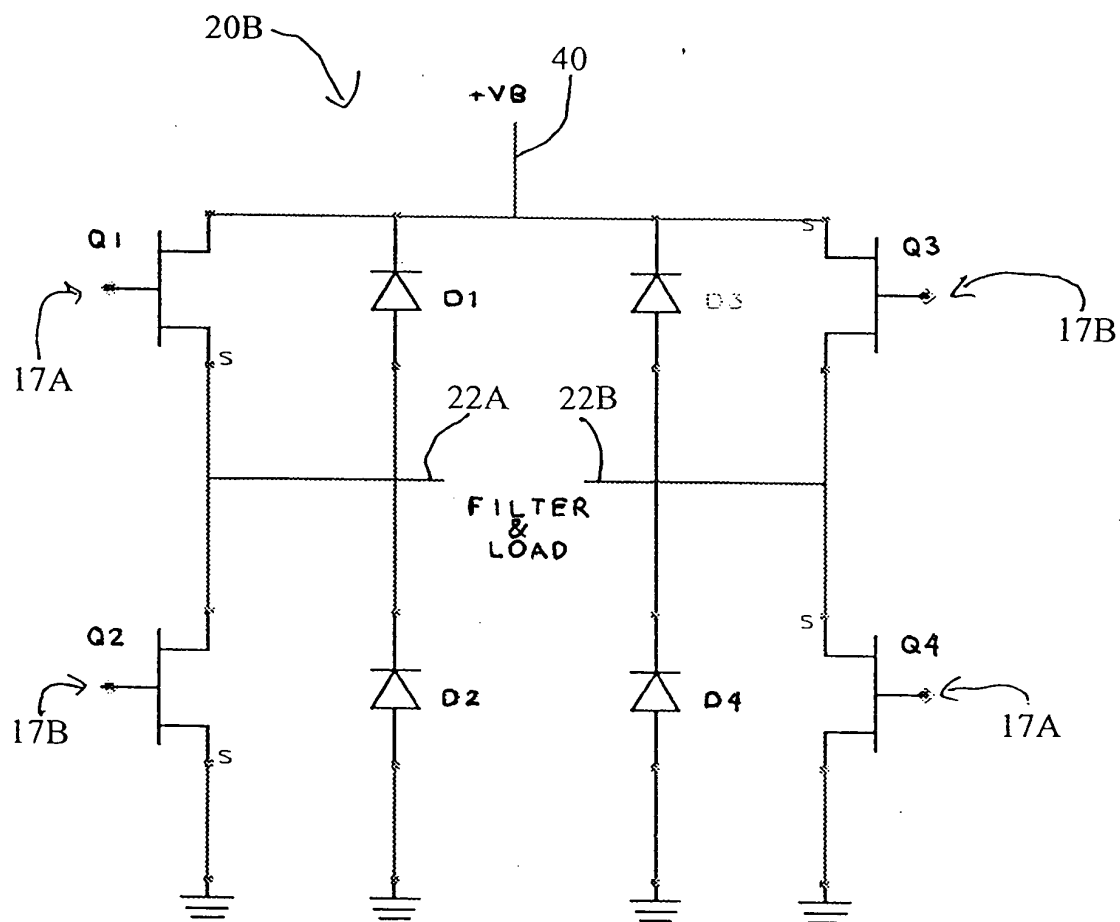


FIG. 3. CLASS S AMPLIFIER WITH 4 DEVICES. (H CONFIGURATION.)

10003725-024202

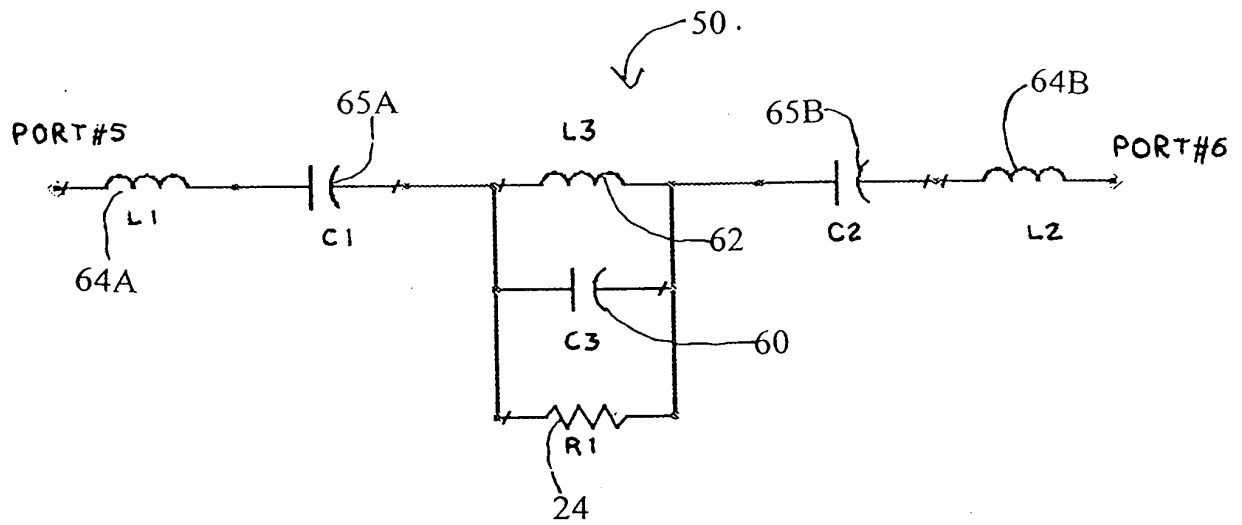


FIG. 4. CLASS S AMPLIFIER: OUTPUT FILTER AND LOAD SCHEMATIC

1003725-024007

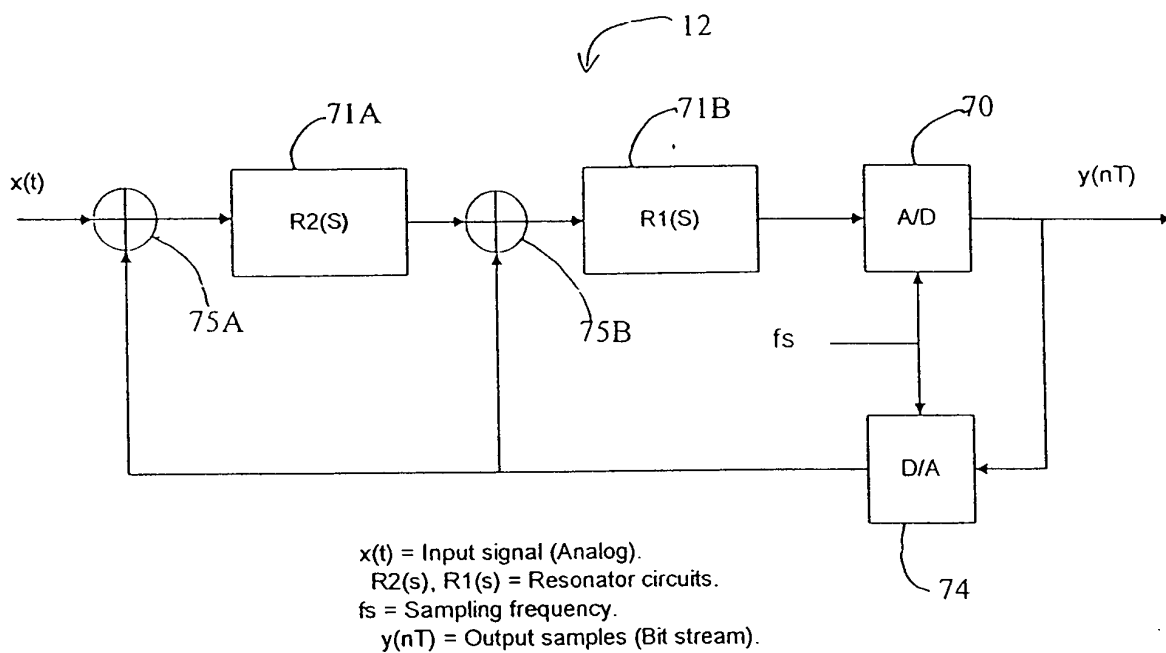
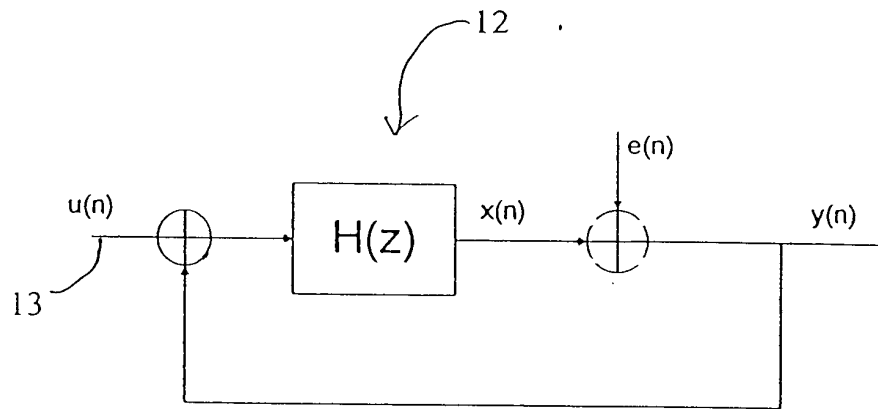


FIG. 5. CONTINUOUS TIME BANDPASS DELTA SIGMA MODULATOR USING DOUBLE FEEDBACK LOOP.



$u(n)$ = Input signal
 $x(n)$ = Input to Quantizer
 $e(n)$ = Quantization noise as additive noise non-correlated with input
 $y(n)$ = Output bit stream

FIG. 6. SIMPLIFIED DISCRETE EQUIVALENT OF DELTA SIGMA MODULATOR.

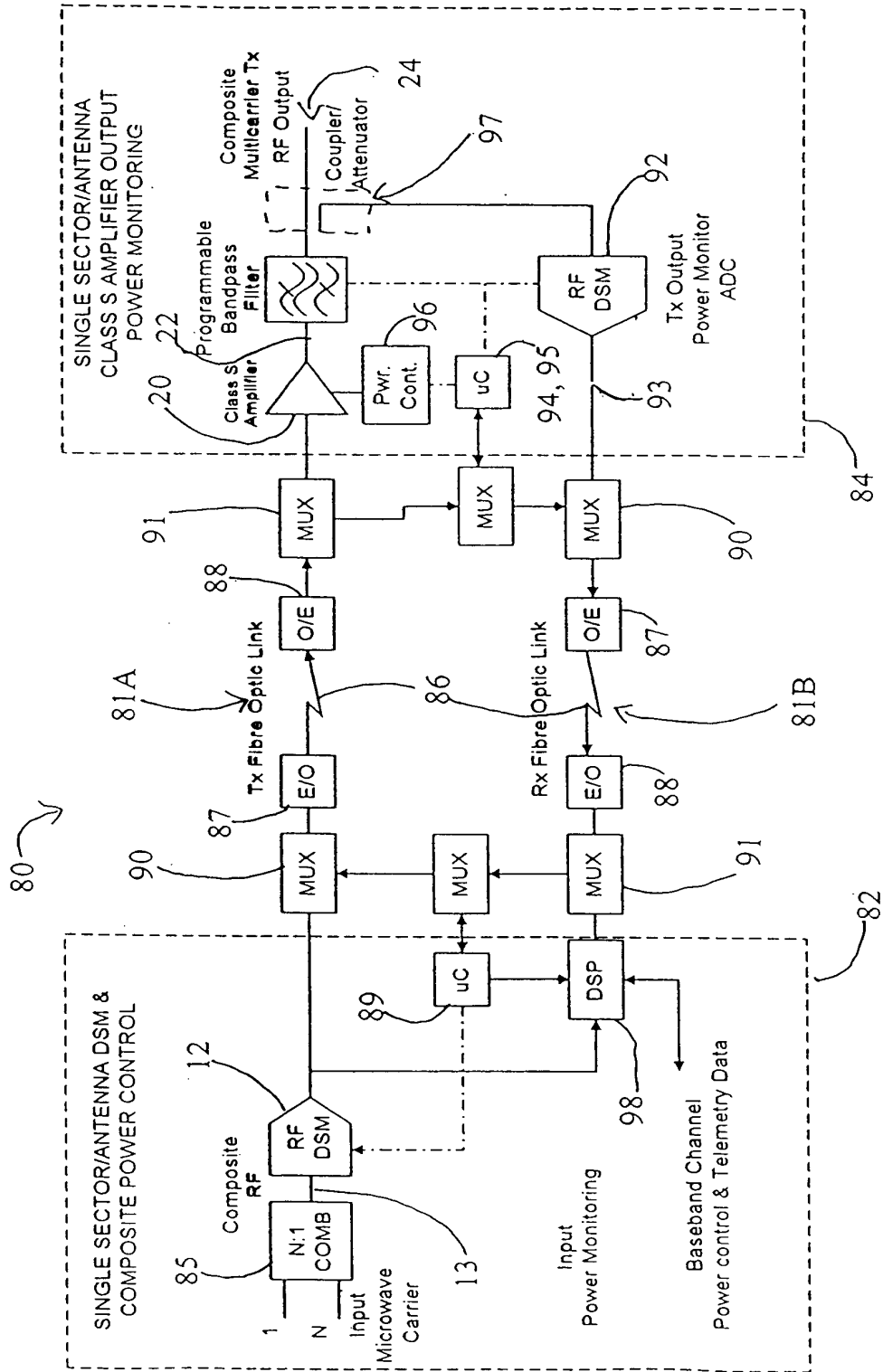


FIGURE 7A

10003725-024E02

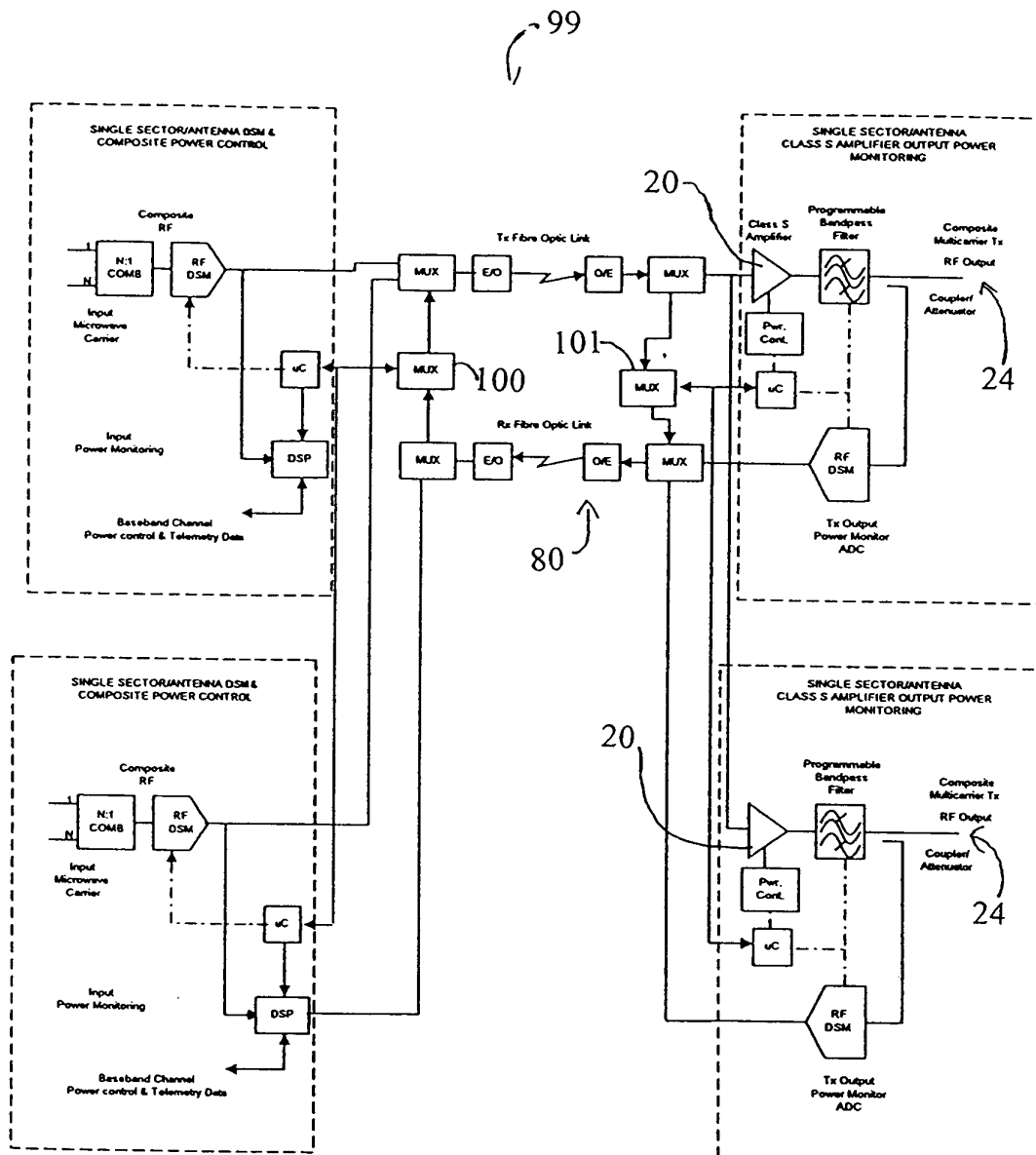


FIGURE 7B